

PATENT COOPERATION TREATY

FEB 0 2 2006

		FEB U Z 2000
From the INTERNATIONAL SEARCHING AUTHORITY To: PETER C. MEI	PCT	Bingham McCutcher IP Docket Dept.
BINCHAM MCCUTCHEN LLP THREE FMBARCADERO CENTER, SUITE 1800 SAN FRANCISCO, CA 94111-4067	NOTIFICATION OF TRANS THE INTERNATIONAL SEARCH THE WRITTEN OPINION OF THE SEARCHING AUTHORITY, OR TH (PCT Rule 44.1)	I REPORT AND INTERNATIONAL
	Date of mailing (day/month/year) 30 JAN 2	206
Applicant's or agent's file reference VM7031426001	FOR FURTHER ACTION See para	graphs 1 and 4 below
International application No. PCT/US04/28571	International filing date (day/month/year) 03 September 2004 (03	.09.2004)
Applicant VARIAN MEDICAL SYSTEMS TECHNOLOGIES, INC.		
The applicant is hereby notified that the international search have been established and are transmitted herewith.	ch report and the written opinion of the Internation	onal Searching Authority
Fiting of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the cla		
When? The time limit for filing such amendments is search report.	normally two months from the date of transmitta	l of the international
Where? Directly to the International Bureau of WIPO 1211 Geneva 20, Switzerland, Facsimile No.		
For more detailed instructions, see the notes on the a	ccompanying sheet.	
The applicant is hereby notified that no international search Article 17(2)(a) to that effect and the written opinion of the		
3. With regard to the protest against payment of (an) addit	ional fec(s) under Rule 40.2, the applicant is not	fied that:
the protest together with the decision thereon has bee request to forward the texts of both the protest and the		r with the applicant's
no decision has been made yet on the protest; the app	licant will be notified as soon as a decision is ma	sde.
 Reminders Shortly after the expiration of 18 months from the priority data Bureau. If the applicant wishes to avoid or postpone publicatio priority claim, must reach the International Bureau as provided in technical preparations for international publication. 	n, a notice of withdrawal of the international a	pplication, or of the
The applicant may submit comments on an informal basis on International Bureau. The international Bureau will send a copy preliminary examination report has been or is to be established. before the expiration of 30 months from the priority date.	of such comments to all designated Offices w	less an international
Within 19 months from the priority date, but only in respect of examination must be filed if the applicant wishes to postpone the (in some Offices even later); otherwise, the applicant must, with entry into the national phase before those designated Offices.	entry into the national phase until 30 months in a 20 months from the priority date, perform the priority date, perform the second seco	rom the priority date to prescribed acts for
In respect of other designated Offices, the time limit of 30 months		
See the Annex to Form PCT/IB/301 and, for details about the ap- Volume II, National Chapters and the WIPO Internet site.		1 Applicant's Guide,
Name and mailing address of the ISA/ US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box [450] Alexandria, Virginia 22313-1450	Authorized officer For Eleri Mantis Mercader Telephone No. 703 308-0858	nie lely
Facsimile No. (571) 273-3201 Form PCT/ISA/220 (January 2004) 703/42 - 200 1 703/43 - 200 2	(See note	s on accompanying sheet)
	,!	
Oocket: 103/42 - 2003	/ Docket: 20.3	142-6001

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference VM7031426001		ee Form PCT/ISA/220 where applicable, item 5 below.
International application No. PCT/US04/28571	International filing date (day/month/year) 03 September 2004 (03.09.2004)	(Earliest) Priority Date (day/month/year) 05 September 2003 (05.09.2003)
Applicant VARIAN MEDICAL SYSTEMS TECHNO	OLOGIES, INC.	
This international search report consists of It is also accompanied It is also accompanied I. Basis of the Report a. With regard to the language, the international a translation of the of a translation of the constant of the language of the title of the language of the	f a total of 2_ sheets. f a total of 2_ sheets. f a total of 2_ sheets. pha copy of each prior and document cite international search was curried out on the b pplication in the language in which it was f international application into mithed for the purposes of international sea e and/or smiles and sequence disclosed in unsearchable (See Box No. II) ((See Box No. III)	asis of: iled. , which is the language
S. With regard to the abstract, the text is approved as submit the text has been established, a may, within one month from th	according to Rule 38.2(b), by this Authority	as it appears in Box No. IV. The applicant h report, submit comments to this Authority.
6. With regard to the drawings, a. the figure of the drawings to be pu as suggested by the ap as selected by this Au as selected by this Au	blished with the abstract is Figure No. 1 opticant. thority, because the applicant failed to sugg thority, because this figure better characteri	est a figure.
b none of the figures is to be put rm PCT/ISA/210 (first sheet) (April 2005)	hished with the abstract.	

INTERNATIONAL SEARCH REPORT

International application No.

	1707.00077	
A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A61B 5/00 US CL : 600/413, 425, 428 According to International Patent Classification (IPC) or to both 1	national classification and IPC	
B. FIELDS SEARCHED		
Minimum documentation searched (classification system follower U.S.: 600/413, 425, 428	d by classification symbols)	0
Documentation searched other than minimum documentation to the	he extent that such documents are included in	the fields scarched
Electronic data base consulted during the international search (nate EAST	me of data base and, where practicable, search	terms used)
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category * Citation of document, with indication, where	e appropriate, of the relevant passages	Relevant to claim No.
A US 5.573,012 A (McEwan) 12 November 1996 (1:	2.11.1996), see entire document.	1-63
Further documents are listed in the continuation of Box C.	See patent family annex.	
Special categories of cited documents:	"T" later document published after the intern	ational filing date or priority
"A" document defining the general state of the art which is not considered to be of particular relevance	date and not in conflict with the applicati principle or theory underlying the inventi	on but cited to understand the
"E" cartier application or patent published on or after the international filing date	"X" document of particular relevance; the classociatered novel or cannot be considered when the document is taken alone	imed invention cannot be I to involve an inventive step
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the cla considered to involve an inventive step with one or more other such documents,	then the document is combined
"U" document referring to an oral disclosure, use, exhibition or other means	obvious to a person skilled in the art	sach combination being
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent fac	
Date of the actual completion of the international search 27 November 2005 (27.11.2005)	Date of mailing of the international search	report
Name and mailing address of the ISA/US	Authorized officer	7 1
Matte attor franting autorities of the 154/OS Matt Stop PCT, Ante 15A/US Commissioner for Patents Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201	Eleni Mantis Mercader () ugun. Telephone No. 703 308-0858	à Illy

PATENT COOPERATION TREATY

From the INTERNAT	IONAL SEARCI	HING AUTH	ORITY		
INTERNATIONAL SEARCHING AUTHORITY To: PETER C. MEI BINGRAM MCCUTCHEN LLP TIHREE EMBARCADERO CENTER, SUITE 1800 SAN FRANCISCO, CA 94111-4067		PCT WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43 bis. 1)			
				Date of mailing (day/month/year)	3 0 10N 2006
Applicant'	s or agent's file r	eference		FOR FURTHER ACTION See paragraph 2 below	
VM70314			7 100 1	1	
	al application No	١.	International filing date		Priority date (day/month/year)
PCT/US04	1/28571 nal Patent Classifi	cation (IPC)	03 September 2004 (03.6 or both national classification		05 September 2003 (05.09.2003)
IPC(7): A6	IPC(7): A61B 5/00 and US Cl.: 600/428				
Applicant					
VARIAN	MEDICAL SYST	EMS TECHI	NOLOGIES, INC.		
1. This o	pinion contains i	ndications rela	ating to the following item	s:	
	Box No. I	Basis of the opinion			
	Box No. II	Priority			
	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability				
	Box No. IV	Lack of unity of invention			
	Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
	Box No. VI	Certain documents cited			
	Box No. VII	Certain defe	ects in the international app	application	
	Box No. VIII Certain observations on the international application				
2. FURTHER ACTION					
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the choosen IPEA has notified the International Bureau under Rule 66.1bin(6) that written opinions of this International Searching Authority will not be so considered.					
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCI/SA/220 or before the expiration of 22 months from the priority date, whichever expire slater.					
For further options, see Form PCT/ISA/220.					
3. For further details, see notes to Form PCT/ISA/220.					
	mailing address of		Date of complet	ion of this opinion	Authorized officer
C	fail Stop PCT, Attn commissioner for Pa .O. Box 1450	tents	27 November 20	005 (27.11.2005)	Eleni Martis Mercader
	lexandria, Virginia lo. (571) 273-320				Telephone No. 703 308-0858
	SA/237 (cover she		05)		

Docket: 703/42 - 2003
Action: 120/- 70 14/0
Date Due: 4-30 - 2006 CM 7

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.	
PCT/US04/28571	

Box No. I Basis of this opinion
1. With regard to the language, this opinion has been established on the basis of:
the international application in the language in which it was filed
a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
a. type of material
a sequence listing
table(s) related to the sequence listing
b. format of material
on paper
in electronic form
c. time of filing/furnishing
contained in the international application as filed.
filed together with the international application in electronic form.
furnished subsequently to this Authority for the purposes of search.
In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished. 4. Additional comments:
Form PCT/ISA/237(Box No. I) (April 2005)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

Form PCT/ISA/237 (Box No. V) (April 2005)

International application No. PCT/US04/28571

Box No. V Reasoned statement under Ru applicability; citations and exp			
1. Statement			
Novelty (N)	Claims	1-63	
	Claims	NONE	
Inventive step (IS)	Claims	1-63	
	Claims	NONE	
Industrial applicability (IA)	Claims	1-63	
••		NONE	
2. Citations and explanations: Claims 1-63 meet the criteria set out in PCT Articl	le 33(2)-(3), becar	use the prior art does not	teach or fairly suggest performing
physiological gating by determining a composite in		-	
Claims 1-63 meet the criteria set out in PCT Artic be made or used in industry.	ie 33(4), and thus	have industrial applicabil	lity because the subject matter claime

NOTESTOFORM PCT/ISA/220

These Notes are intended to prive the basic intendences concerning the filting of amendments under Article 19. The Notes are intended to the requirements of the Pattern Cooperation Treaty. the Regulations and the Administrative are treaty and the Tendy. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT_Applicant's Guide, a publication of WIPO.

In these Notes, "Article," "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Institutions, respectively

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after the ring received the international search report, one opportunity to amend the claims of the tribe application. It should henever be emphasized that, since oil parts of the international application (claims, and the content of the cont

What parts of the international application may be amended?

Under Article 19, only the claims may be amended

During the international phase, the claims may also be amenced (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Preliminary Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When 2 Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, lowever, that the amendments will be considered as a kuring been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for International publication (Rule 461).

Where not to Sie the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How uither by cancelling one or more entire claims. Fig. sidding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or imendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is carrielled, no renumbering of fire other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 2050).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)"). The letter must be in English on French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is Prench, the letter must be in French.